

Hi-Shear Now Flies Titan-Gemini Flag

Hi-Shear Corporation of Torrance and 31 other "Critical Parts" suppliers to the Gemini program across the nation ran up the Titan-Gemini Team Flag Friday. The ceremony was held to salute the thousands of men and women who contributed their skills and imagination to America's most ambitious space program to date.

In the 10 manned and two unmanned Gemini-Titan flights, "Critical Parts" were those parts that were essential to the success of the Gemini mission. Only 32 of 6,000 manufacturers and subcontractors of the Martin Company had the honor of being designated "Critical Parts" manufacturers.

KEY EMPLOYEES representing manufacturing, engineering, quality control, and management gathered in front of the Hi-Shear plant along with Capt. John Regenerhardt, space vehicle engineer representing the Air Force Systems Command's Space Systems Division, which directed the Titan launch vehicle program; and Thomas Barnard, procurement quality representative of the Martin Company. The Gemini Team Flag, with its array of stars representing the historic space missions, was hoisted by Rose Deragon who helped assemble Hi-Shear's "Critical Parts" — thousands of separation nuts used in the space program.

During the ceremony, Guy Nash, Hi-Shear vice president—sales, reminded those present that, "We can be proud of our record. What we have achieved has only been attained because every employe at Hi-Shear, and other member companies of the Gemini Team, has worked to attain perfection in his or her particular job or skill."

HI-SHEAR'S contribution to Titan-Gemini success goes back to the very beginning of the flight program, April 8, 1964. The earliest unmanned orbital and suborbital flights and, subsequently, all orbital flights employed fastening and unfastening systems of Hi-Shear design and manufacture. Every flight phase required Hi-Shear products: lift-off, stage separation, re-entry, and landing.

From the moment the 430,000-thrust first stage on the Titan II launch vehicle was ignited, Hi-Shear products performed vital functions. Eight paired 1/4-inch Separation Nuts restrained the launch vehicle under full thrust. They were then actuated to simultaneously release the Titan-Gemini in less than 5 thousandths of a second. After first stage burn-out and second stage ignition, 5/8ths-inch Hi-Shear Separation Nuts fired. This permitted the first stage to drop to the Caribbean while the 100,000-pound-thrust second stage thundered Gemini into orbit.

THROUGHOUT the mission—launch, boost, orbit, and re-entry—Hi-Shear fastening systems were used in the Titan launch vehicle and Gemini spacecraft. Hi-Lok Fasteners, Hi-Torque Bolts, and Hi-Shear Rivets of high strength and heat-resisting materials, utilized as structural and skin fasteners, were required to perform without failure in the cryogenic temperatures of space and

through the searing heat of re-entry. Others attending the flag-raising ceremony included Vene L. Darby, vice president—engineering; Albert E. Anderson, vice president—manufacturing; James C. Rome, vice president—finance; Perry Luth, manager—ord-

nance department; John Bingham, manager—quality assurance and reliability; Ray Fitting, chief—quality control; Bill Azzouni, ordnance lab supervisor; and David Osborn, ordnance inspector. Hi-Shear produced its precision fastening and unfastening systems for the Martin

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New Marine Recruiter Joins Torrance Staff

Sgt. Willie Oler has joined Gunnery Sergeants Dan Rocco and C. J. D'Hondt on the Marine Corps Torrance area recruiting staff, it was announced this week. Sergeant Oler returned to the United States last May

after a tour of duty in Vietnam, where he served with the Second Battalion, Ninth Marines, as a squad leader. The new recruiter was graduated from the public schools in Memphis, Tenn., and attended LeMoyn College in Memphis. He enlisted in the Marine Corps in August, 1962.

The three-man recruiting staff also announced plans to open a mobile office at 105

W. 223rd St. on the second and fourth Wednesday of each month. A second mobile office will be at 23908 S. Western Ave. on the second and fourth Thursday of each month.

Main offices are at 2165 Torrance Blvd., and may be reached by telephone at FA 8-2330.

The Old Timer

 "Most of us spend too much time running from something that isn't even after us."

Platforms For Fishing To Be Built

Experimental fishing platforms at the Redondo Beach breakwater in Los Angeles County will be considered by the California Wildlife Conservation Board when it meets Friday in Sacramento. The proposal is to build four platforms, each to accommodate six fishermen. Platforms would be 4' x 12' in size. The allocation of \$12,000 would also provide handrails and stairs and walkways for access to the platforms and to other parts of the breakwater.

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